Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/22/2021 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123165	-2	2.67	123304	2.64
Blue	F	SSC	125000	122387	-3	3.72	123271	3.67
Blue	E	FITC	14203	13511	-5	3.00	294	15.31
Blue	D	PE	25703	25006	-3	2.65	542	10.56
Blue	B	PerCP-Cy5-5	42104	41502	-2	3.34	927	14.56
Blue	A	PE-Cy7	34646	34115	-2	4.63	488	29.32
Red	C	APC	49824	48973	-2	2.76	1499	10.99
Red	A	APC-Cy7	39773	38691	-3	2.72	727	11.44
Violet	B	V450	7447	7155	-4	4.09	414	12.24
Violet	A	V500	31193	30287	-3	3.85	695	9.80

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21301	2.93	549	-7	N/A	N/A	Pass
Blue	F	SSC	54220	3.13	512	0	N/A	N/A	Pass
Blue	E	FITC	53	53.22	484	-2	0.0400	66	Pass
Blue	D	PE	107	38.02	486	1	0.3909	271	Pass
Blue	B	PerCP-Cy5-5	179	35.35	578	1	0.0195	48	Pass
Blue	A	PE-Cy7	113	61.47	620	0	0.0215	0	Pass
Red	C	APC	350	23.23	566	-1	0.0304	123	Pass
Red	A	APC-Cy7	203	23.01	541	-3	0.0063	114	Pass
Violet	B	V450	90	38.26	453	4	0.0448	1181	Pass
Violet	A	V500	122	27.28	471	4	0.0272	532	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.76	-32.51	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.38
Red	23.11	15.99 - 23.99	N/A	N/A	30.86	31.05	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11286

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments